|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Simple Machines

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |
|  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  |
|  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 9 |  |  |  | 10 |  |  |  |  |  |  |  | 11 |  |  |  |  |  |  |
|  |  |  | 12 |  |  |  |  |  |  | 13 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 14 |  |  |  |  | 15 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 16 |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  | 18 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 21 |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across****2.** unit to measure power; 550 foot-pounds per second**3.** wheel or crank attached to a rod**5.** machine used for lifting very heavy objects**6.** Use this to gain force, speed, or distance**7.** inclined plane wrapped around a cylinder**10.** applying force to move an object from one place to another**11.** force of attraction between two masses**14.** wheel with teeth or cogs that engage others**15.** objects at rest stay at rest, objects in motion keep moving**17.** resistance caused when one object moves against another**19.** leaning surface along which objects can be pulled or pushed**20.** Work done compared to work put in**21.** "resting" point of a lever | **Down****1.** simple machine that is thick at one end and slopes to a thin edge at the other**4.** force to be overcome by a machine**8.** unit for measuring work done**9.** force exerted on a machine**12.** push or a pull**13.** device used to make work easier**16.** weight placed on a machine**18.** grooved wheel over which a rope or chain is passed |